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DESCRIPTORS: *Hydrofoils, *Lift, Equations, Design,
Aspect ratio, *Hydrodynamics, Mathematical analysis.

The graphs are based on the equation

$$C_y = a(\alpha + \alpha_0 - \Delta\alpha_0)$$

proposed in 1955 by S. D. Chudinov. Here C_y represents the lift coefficient, α is the geometric angle of attack, in degrees, α_0 is the angle of attack for zero lift in an infinite flow, and $\Delta\alpha_0$ is the amount by which α_0 changes with a change in depth.

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Chemical analysis, Crystals, Lattices.

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bers of the isomorphous series forsterite-fayalite of
varying composition; by means of these data the com-
position of olivine may be determined. On the basis of
experimental data, regularities of change in the dimen-
(Earth Sciences--Mineralogy, TT. v. 9, no. 1)(over)

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Trans. of Leningrad U. ~~Asiatic~~ (USSR) 1958 [v. 13]
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DESCRIPTORS: *Pyrites. Minerals. Chemical analysis.

It was shown by means of sulfide copper-nickel ores
that under the conditions of a varying concentration of
sulfur in a solution there are formed not only various
associations of minerals but also minerals of varying
composition. The changes in the composition of
pyrrhotite reflect those changes in the concentration of
sulfur in ore solutions from which the ore minerals
crystallized the system: iron-copper-sulfur, iron-
(Earth Sciences--Mineralogy. TT, v. 7, no. 4 (over)

61-15889

- I. Title: Pyrrhotites
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- II. Geological Survey of
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[17]p. (3 drawings 3 charts 4 tables omitted).

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Trans. of Leningrad Univ. (Vestnik) (USSR) 1957 [v. 12] no. 18 [Seriya Geologicheskaya] no. 3, p. 68-78.

DESCRIPTORS: *Pyrites, Minerals, X-rays.

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- I. Title: Pyrrhotite.
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